



Project: Alaska Copper Works

Inspection Date: 6/27/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm) Influent n/a Effluent 150 The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 10 Effluent 10 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 10 Effluent 9

Carbon Filter Pressures (Lead) Influent 8 Effluent 5 The carbon filters should be backflushed if differential pressure > 8 psi

Carbon Filter Pressures (Lag) Influent 4 Effluent 1

Were the bag filters replaced? ☒ Yes ☐ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	cleaned
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	~70 gal
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Calibrated on 6/27/19



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>n/a</u>	Turbidity	<u>n/a</u>	NTU
Bag Filter Influent	pH	<u>8.12</u>	Turbidity	<u>13.6</u>	NTU
Bag Filter Effluent	pH	<u>8.26</u>	Turbidity	<u>6.85</u>	NTU
Carbon Filter Influent	pH	<u>7.20</u>	Turbidity	<u>4.21</u>	NTU
Carbon Filter Effluent	pH	<u>6.98</u>	Turbidity	<u>2.93</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: n/a
Treatment tank: n/a
Backflush tank: n/a
Main lift station: n/a
North lift station: n/a
South lift station: n/a

Additional Comments, Recommendations and System Upsets:

Cartridge filters replaced on 6/21/19.
Vault empty no influent flow reported.
System ran in recirc to raise pH prior to discharge through the carbon vessels.

David DuBois

Technician

Project Lead Tech

Title

6/27/19

Date

Submit